

TitroLine *alpha* is a compact titrator with integrated dosing unit. To assist you in setting up and installing the system, we summarized the most important information and main steps in this short manual.

At the beginning we explain some terms, which will be used during the following pages:

Method:

TitroLine *alpha* has a memory for 8 working methods. Each method consists of 3 parts:

- Titration parameter (MTH)
- Calculation (CALC)
- Documentation (DOC)

The method contains all necessary information for control of the titration, calculation of the result and the documentation. New units do not contain an installed method. They must be set-up by the user, see “Setting up a method out of standard parameter”, “Setting up a calculation” and “Setting up a documentation”.

Standard parameter (STD):

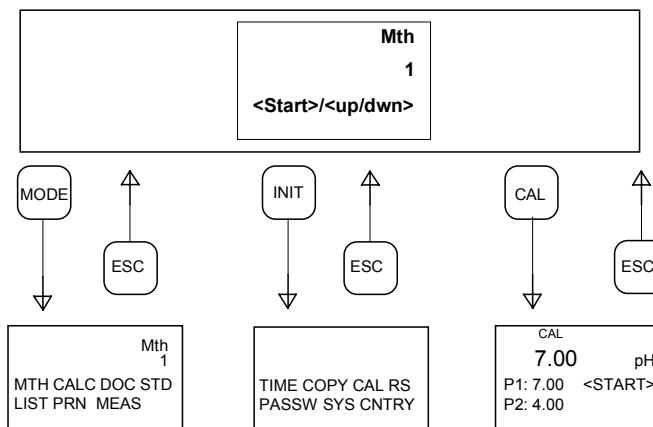
Standard parameter are a combination of titration parameter, which have been optimized for certain applications. You will find an overview of the approx. 100 standard parameter contained in TitroLine *alpha* in table “List of standard parameter”. The standard parameter of a certain application can be copied in one of the 8 free working memories. Therefore you can create your own set of methods easily.

Titration parameter (Mth):

Titration parameter are instructing the titrator how to perform a certain titration. In detail these are the speed of the titration, the steps for adding the titrating agent and the criteria for the end of the titration. For several applications we combined these information in the shape of standard parameter, to facilitate your handling with the titrator.

Of course you can change the suggested parameters and adapt to your special application. How to influence the titration will be described in the “Overview of method development”.

If anything does not work as expected at the beginning, some hints to solve the problem are given on page “What to do, if...”.



MODE	Description	Chapter
MTH	Setting up methods 1-8	5.3
CALC	Setting up calculation formulas for each method 1-8	5.4.2
DOC	Setting up of documentation for each method 1-8	5.4.3
STD	Selection of pre-set standard parameter	5.4.4
LIST	Printing of method overview, content of a method, list of standard parameter	5.4.5
PRN	Selection of output unit (Centronics or RS)	5.4.6
MEAS	Change-over to function “measuring”	5.4.7

INIT	Description	Chapter
TIME	Setting up time and date	5.5.1
COPY	Making copies or erasing a method	5.5.2
CAL	Definition of calibration conditions, selecting buffers	5.5.3
RS	Configuration of the RS-Interface	5.5.4
PASSW	Entering or erasing of a password	5.5.5
SYS	Beeper, selection of: size of the dosing unit, rinsing cycles, main display, unit check, automatic filling, editing titration parameter	5.5.6
CNTRY	Selection of the language of the unit	5.5.7

CAL	Description	Chapter
	Calibration of pH electrodes. Buffers, which have been chosen under <INIT>, <CAL> will be shown in the display. The calibration can be started with the <Start> button.	5.6

